

Semester Practical Plan

Name of the college: Government College of Arts, Science and Commerce, Sanquelim - Goa		
Name of Faculty: Yougali Parab	Subject: Computer Science	
Paper code: CSC-247 GEN AI - Practical	Program/Course: S.Y.B.Sc.	Division: B
Academic year: 2025 - 2026	Semester: III	Total Practical: 7

Month	Practical From: To:		No. of practical allotted	Topic, Subtopic to be covered	Learning outcome	ICT Tools	Reference books
July/August	29/07/2025	02/08/2025	01	Use ChatGPT / Gemini for text summarization, paraphrasing, and creative writing.	1. effectively utilize AI tools like ChatGPT or Gemini	Laptop, LCD Projector, PowerPoint Presentation	1. OpenAI Documentation (https://platform.openai.com/docs)
August	04/08/2025	09/08/2025	01	Generate images using DALL-E / Stable Diffusion (via web tools or Hugging Face).	1. generate high-quality AI-generated images	Laptop, LCD Projector, PowerPoint Presentation	2. Hugging Face Tutorials (https://huggingface.co/)
August	11/08/2025	16/08/2025	01	Build a simple chatbot using OpenAI API + Python.	1. build and deploy a simple chatbot using the OpenAI API and Python	Laptop, LCD Projector, PowerPoint Presentation	
August	18/08/2025	23/08/2025	01	Explore AI coding assistants (GitHub Copilot).	1. effectively use AI coding assistants like GitHub Copilot	Laptop, LCD Projector, PowerPoint Presentation	GitHub Copilot Documentation
August	25/08/2025	30/08/2025	00	Chaturthi Vacation		-	-
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September	02/09/2025	06/09/2025	01	Prompt Engineering techniques and prompt chaining	1. design clear, specific, and effective prompts	Laptop, LCD Projector, PowerPoint Presentation	3. Google Cloud GenAI Labs (https://cloud.google.com/ai/generative-ai)
September	08/09/2025	13/09/2025	01	Ethical use case analysis and bias detection case study.	1. evaluate AI applications for ethical considerations	Laptop, LCD Projector, PowerPoint Presentation	. Responsible AI guidelines by NASSCOM, EU AI Act draft (https://www.nasscom.in/ai/img/GenAI-Guidelines-June2023.pdf)
September	15/09/2025	20/09/2025	01	Mini Project: Build a GenAI-based app or tool (text summarizer, AI quiz generator, AI image creator, etc.)	1.Understand and design, develop, and deploy a functional Generative	Laptop, LCD Projector, PowerPoint Presentation	

